C++ Program to find largest number in array?

#include<iostream>

using namespace std;

int main()

{

int n;

int arr[100];

cout<<"Enter total number of elements (1 to 100) :";

cin>>n;

cout<<endl;

for(int i=0;i<n;++i)

{

cout<<"Enter number "<<i+1<<":";

cin>>arr[i];

}

for(int i=1;i<n;++i)

{

if(arr[0]<arr[i])

arr[0]=arr[i];

}

cout<<"Largest element = "<<arr[0];

}